

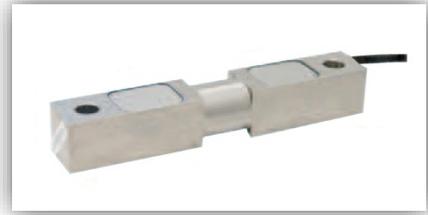
# MLP24

## Double Ended Shear Beam Load Cell

**MeasureX**

### Features

- High Measuring Accuracy
- Load Measurement Range of 0.5 to 35t
- Compact and Rugged Model
- Stainless Steel or Steel Alloy Material
- Welded Sealing



### Description

MLP24 series with steel alloy or optionally stainless steel material is a rugged and accurate load cell suitable for tension-compression load measurement. This double ended shear beam load cell offers great flexibility and reliability for a wide range of applications with highly competitive pricing.

MLP24 is available in standard ranges from 0.5t to 35t with an output of mV/V. The standard precision is 0.05% FS. The robust construction of MLP24 with its high performance makes it ideal for demanding long term applications.

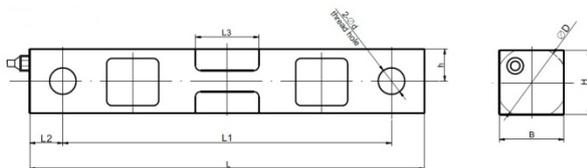
### Applications

- General weighing system
- Crane weighing system
- Rope load measurement
- Vehicle scale
- Hanging Scales
- General cable overload monitoring systems
- Belt tension measurement

### Technical Specifications

- Capacity:** 0.5, 1, 2, 4, 6, 8, 10, 15, 20, 35t or other ranges
- Output:**  $3.0 \pm 0.008\text{mV/V}$
- Precision:** 0.05% FS (combined LRH error)
- Creep:**  $\pm 0.016\%$  FS / 30min
- Overload rating:** 120% FS
- Excitation:** 5 to 12 VDC
- Zero unbalance:**  $\pm 1\%$  FS
- Protection Level:** IP67
- Compensated temp. range:** -10 to 40°C
- Operating temp. range:** -35 to +65°C
- Temp. coefficient of zero:** 0.011% FS /10°C
- Temp. coefficient of span:** 0.019% FS /10°C
- Input resistance:**  $700 \pm 7\Omega$
- Output resistance:**  $703 \pm 4\Omega$
- Insulation resistance:**  $\geq 5000\text{M}\Omega$  @ 50VDC
- Electrical connection:** 4-core shielded cable and length=6m or others

### Dimensions



Dimensions are in mm

### Wiring



Capacity (t)	L	L1	L2	L3	H	h	B	D	d
0.5, 1, 2	190.5	158.8	15.9	30.48	30.99	16.76	30.99	31.5	12.7
4, 6, 8, 10, 15	222.3	190.5	15.9	41.15	49.15	24.58	36.45	50.8	20.57
20, 35	342.9	292.1	25.4	82.55	74.68	37.34	61.98	75.95	33.32

**Note:** All specifications are subject to change without prior notice

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